

IN THE CLAIMS:

1. (Currently amended) A method for producing a flexion resin hose, comprising a first step of allowing a high temperature fluid to flow into a hose made of thermoplastic resin to thereby heat said hose, a second step of bending said heated hose while blowing cooling fluid onto a neutral line along a bent portion of said hose, and a third step of allowing a cold temperature fluid into said hose to thereby cool and harden said hose.

2. (Currently amended) A method for producing a flexion resin hose, comprising a first step of allowing a high temperature fluid to flow into a hose made of thermoplastic resin to thereby heat said hose, a second step of restricting the flow of said high temperature fluid downstream of said hose to pressurize an interior of ~~[[siad]]~~ said hose, a third step of bending said heated hose, and a fourth step of allowing a cold temperature fluid into said hose to thereby cool and harden said hose.

3. (Cancelled)

4. (Previously presented) A method for producing a flexion resin hose in which said hose is made of thermoplastic resin, wherein said hose is provided in portion in its axial direction with a corrugated portion, said corrugated portion having uneven characteristics in its circumferential direction with respect to tensile strength in an axial direction thereof, said method further comprising a heating and pressurizing step for allowing high temperature and high pressure fluid into said hose to heat and pressurize said hose and for bending said corrugated portion of said hose by an internal pressure, and a cooling step for allowing cold temperature fluid into said hose to thereby cool and harden said hose.

5. (Previously presented) A method for producing a flexion resin hose according to claim 4, wherein said hose is held by a first and a second holding tool located at a predetermined distance from each other, and wherein said heating and pressurizing step and said

cooling step are carried out such that at least one of said first and said second holding tools can be displaced with respect to the other one.

6. (Previously presented) A method for producing a flexion resin hose according to claim 4, wherein said hose is formed at a plurality of portions in its axial direction with corrugated portions, and an uneven characteristic in said circumferential direction of said corrugated portion is determined for each of said plurality of corrugated portions.

7. (Cancelled)

8. (Previously presented) A method for producing a flexion resin hose according to claim 4, wherein said heating and pressurizing step is carried out using an internal pressure of 80 to 90% of the hoop stress.

9. (Previously presented) A method for producing a flexion resin hose according to claim 4, wherein said heating and pressurizing step is carried out at a temperature higher than a temperature in an environment wherein said hose is to be used.

10. (Previously presented) A method for producing a flexion resin hose according to claim 4, wherein said hose is formed from polyamide, and said heating and pressurizing step is carried out at 130 to 140°C and 2.7 to 3.7 atmospheric pressure.

11. (Previously presented) A method for producing a flexion resin hose according to claim 4, wherein said hose is formed from polypropylene, and said heating and pressurizing step is carried out at 110 to 130°C and 2.2 to 3.0 atmospheric pressure.